

COOPER LIGHTING - METALUX®

DESCRIPTION

The Ovation Series is a complete family of recessed direct/indirect luminaires featuring pleasant modern architectural styling, computer-designed optics and the latest energy efficient lamp and ballast technology. The luminaire combines a matte white indirect reflector and a perforated direct lamp shield providing optimum brightness control. Components are dropped below the ceiling plane for an aggressive architectural appearance in the finished space. Carefully balanced design elements combine to provide an efficient and exciting, high performance alternative to traditional general lighting. Ovation is an excellent choice for a wide variety of commercial applications.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Construction

Nominal 3" deep housing is die formed of code gauge, prime cold rolled steel. Heavy gauge end plates are securely attached with screws for strength and rigidity and the elimination of gaps. Four auxiliary fixture end suspension points are provided. KOs for continuous row wiring. Large access plate for supply connection.

B ... Electrical*

Ballasts are Class "P" and are positively secured. Rotor-lock

lampholders ensure positive lamp retention. UL/CUL listed. Suitable for damp locations.

C ... Ballast Access

Ballast can be accessed from below.

D ... Finish

Durable cold rolled steel with multistage, iron phosphate pretreatment and white enamel finish to ensure maximum bonding and rust inhibition.

E ... Reflectors

Indirect reflector has high reflectance baked matte white enamel finish for luminous uniformity. Positively retained direct lamp shield is constructed of heavy gauge perforated steel. Shields are combined with a high reflectance painted after fabrication finish and milky white overlay diffuser for visual comfort. All reflectors are precision formed in a computer-controlled operation.



2RDI

114T5

214T5

314T5

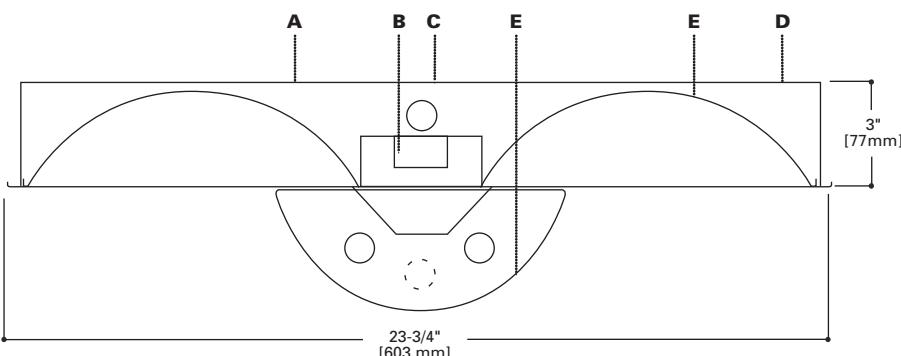
124T5HO

224T5HO

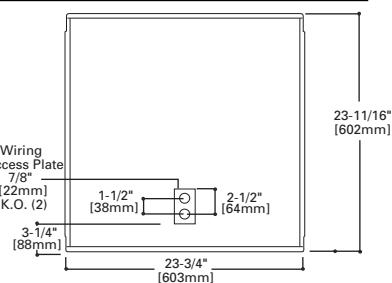
324T5HO

T5 OR T5HO LAMPS

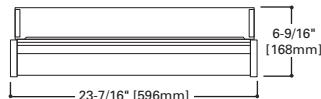
2' X 2' Recessed
Direct/Indirect
Center-Mount
Drop Basket



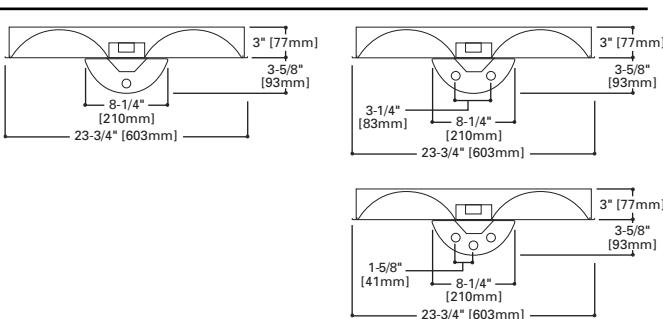
MOUNTING DATA



T5 MODEL



LAMP CONFIGURATIONS



CEILING COMPATIBILITY

G
Grid/Lay-in
Standard

T
Slot Grid

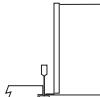
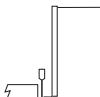
F
Drywall Frame
Kit

**Ceiling
Type****

Exposed Grid
Concealed T
Slot Grid
Flange

**Trim
Type**

G
G or T
G or T



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps

114T5 (19)

214T5 (38)

314T5 (57)

124T5 (25)

224T5 (52)

324T5 (78)

Luminaire Efficacy Rating

LER = FL39

Catalog Number: 2RDI-214T5RPD

Yearly Cost of 1000 lumens,

3000 hrs at .08 KWH = \$6.11

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

**Consult Pre Sales Technical Support.

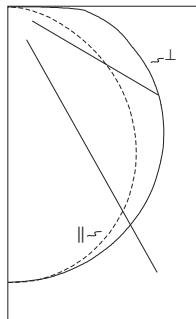
***See Drywall Frame Kit Accessory

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of disconnecting power





2RDI-224T5RPD
Electronic Ballast
(2) F24T5HO/830
Lamps
1750 Lumens
Spacing criterion:
(II) 1.3 x mounting
height, (\perp) 1.3 x
mounting height
Efficiency 61.7%
Test Report:
2RDI224T5RPD.IES
LER = FL39
Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$6.11

Angle	Along \parallel	45°	Across \perp
0	631	631	631
5	630	630	629
10	622	623	625
15	608	612	616
20	588	596	604
25	563	576	589
30	533	553	570
35	497	525	549
40	457	494	524
45	412	460	496
50	364	424	466
55	312	385	433
60	257	344	398
65	202	302	360
70	150	259	318
75	105	215	280
80	65	175	242
85	32	134	197
90	0	0	0

Coefficients of Utilization

Effective floor cavity reflectance 20%									
rc	80%	70%	50%	30%	10%	0%	rc	80%	70%
rw	70	50	30	10	70	50	30	10	50
RCR	70	50	30	10	50	30	10	50	30
0	74	74	74	74	72	72	72	69	69
1	66	62	59	56	64	61	58	55	55
2	59	53	48	44	57	52	48	44	50
3	54	46	41	36	52	45	40	36	43
4	49	41	35	30	47	40	34	30	38
5	45	36	30	26	43	36	30	26	34
6	41	33	27	22	40	32	26	22	31
7	38	29	24	20	37	29	23	19	27
8	36	27	21	18	35	26	21	17	26
9	33	25	19	16	32	24	19	16	23
10	31	23	18	14	30	22	17	14	21

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	499	14.3	23.1
0-40	827	23.6	38.3
0-60	1519	43.4	70.3
0-90	2160	61.7	100.0
0-180	2160	61.7	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	67	75	60	69
30 x 30	61	66	52	58
30 x 60	57	60	41	46
60 x 30	61	65	56	62
60 x 60	55	58	44	48

ORDERING INFORMATION

SAMPLE NUMBER: 2RDI-214T5RPD-120V-EBT1-U

2 = 2' Width

Ovation Series
RDI=Recessed
Direct/Indirect

Trim Type
Leave Blank=Grid/Lay-in
(Standard)

Leave Blank=Center mounted
Lamps (standard)

Number
of Lamps
(Not included)
1=1 Lamp
2=2 Lamp
3=3 Lamp

Lamp Shield
RPD=Round Perforated
Steel Below Ceiling Lamp
Shield.
RPD/TBW=Round
Perforated Below Ceiling
Lamp Shield with Thin
Blade White Baffle

Voltage⁽²⁾
120V=120 Volt
277V=277 Volt
UNV=Universal
Voltage 120-277

Options
GL=Single Element Fuse
GM=Double Element Fuse
Lamps=Lamps installed
Flex=Flex installed

Ballast Type⁽²⁾
EBT=T5 Linear Electronic Program Rapid
Start Total Harmonic Distortion < 10%
No. of Ballast
1, 2 or 3
DLS=Digital Lighting System Dimming

Options
RIF1=Radio Interference
Suppressor
EQ-Clip-U-T-Bar EQ Clip
(Order Individually as Accessory.
Use Four Per Fixture.)

DF-22-W=Drywall Frame Kit
(Order Individually as Accessory.)
REP=Riveted Endplates, for use in
New York City.
ST=Semi-Specular Tannenbaum
Main Reflector
LSC=Lamp Shield Cable

Packaging
U=Unit Pack
PALC=Job Pack,
in carton

NOTES:
⁽¹⁾ 2' x 2' and 2' x 4' Center Lamp Shield models only.
⁽²⁾ Products also available in non-US voltages and
frequencies for international markets.

ACCESSORIES

EQ = T-BAR Safety Earthquake Clips
(Use Four Per Fixture)
DF-22-W = Drywall Frame Kit

SHIPPING INFORMATION

Catalog No.	Wt.
2RDI-114T5RPD	17 lbs.
2RDI-214T5RPD	17 lbs.
2RDI-314T5RPD	17 lbs.